

Applicant : Donald T. Cronic
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Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) ~~An energy source for~~ A power generation system, comprising:
a decomposition chamber;
one or more a solid impellant material sources effective for producing containing at least one of a peroxide energy source and a superoxide; and,
one or more solvents effective for liquefying a solvent in the decomposition chamber to liquefy and chemically decompose the one or more solid impellant material sources, thereby releasing thermal energy;
a power generator to convert the thermal energy into at least one of mechanical energy and electrical energy; and
a power transmission to transfer the converted energy for performing work.
2. (Currently Amended) ~~The energy source~~ power generation system of claim 1, wherein ~~the one or more solid material sources comprise a solid peroxide~~ power generator comprises at least one of a steam turbine, a thermoelectric generator, and a propulsion engine.
3. (Currently Amended) ~~The energy source~~ power generation system of claim 2, wherein ~~the solid peroxide is selected from the group consisting of peroxide, superoxide and combinations thereof~~ power transmission comprises at least one of a shaft, an electric generator, and an electric motor.
4. (Currently Amended) ~~The energy source~~ power generation system of claim 1, wherein ~~the solid impellant material is selected from the group consisting~~ comprises at least one of sodium peroxide, potassium peroxide, lithium peroxide, potassium superoxide, urea peroxide, sodium perborate, peracetic acid, peracetic salt, persulfate acid, persulfate salt, peroxide adduct, percarbonate acid, and percarbonate salt and combinations thereof.

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5. (Currently Amended) The ~~energy source power generation system~~ of claim 4, wherein the solid ~~peroxide is selected from the group consisting~~ impeller material comprises at least one of sodium peroxide, potassium peroxide, and potassium superoxide and combinations thereof.

6. (Currently Amended) The ~~energy source power generation system~~ of claim 5, wherein the solid ~~peroxide~~ impeller material comprises potassium superoxide.

7. (Currently Amended) The ~~energy source power generation system~~ of claim ~~3~~ 1, wherein the ~~one or more solvents are selected from the group consisting~~ solvent comprises at least one of water, polar organic alcohols, and polar organics, and combinations thereof.

8. (Currently Amended) The ~~energy source power generation system~~ of claim 7, wherein the ~~one or more solvents are selected from the group consisting~~ solvent comprises at least one of water, propylene glycol, ethanol, methanol, and isopropanol and combinations thereof.

9. (Currently Amended) The ~~energy source power generation system~~ of claim 8, wherein the ~~one or more solvents~~ solvent comprises water.

10-11. (Cancelled)

12. (Currently Amended) A process for releasing energy in an energy source, comprising the steps of:

~~providing an energy source for power generation having one or more~~ a decomposition chamber containing a solvent;

~~dissolving a solid impellant material sources effective for producing~~ containing at least one of a peroxide energy source and one or more solvents effective for liquefying the one or more solid material sources a superoxide; and,

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solubilizing the ~~one or more solid~~ impellant material sources in the ~~one or more solvents~~
~~solvent to create~~ liquefy and chemically decompose the solid impellant material into a liquified
~~peroxide effective for imparting~~ releasing thermal energy;

converting the thermal energy into at least one of mechanical energy and electrical
energy; and

transferring the converted energy for power generation performing work.

13. (Currently Amended) The process of claim 12, wherein the solid impeller material is
~~selected from the group consisting~~ comprises at least one of peroxide, superoxide and
combinations thereof.

14. (Currently Amended) The process of claim 12, wherein the solid impeller material is
~~selected from the group consisting~~ comprises at least one of sodium peroxide, potassium
peroxide, lithium peroxide, potassium superoxide, urea peroxide, sodium perborate, peracetic
acid, peracetic salt, persulfate acid, persulfate salt, peroxide adduct, percarbonate acid, and
~~percarbonate salt and combinations thereof.~~

15. (Currently Amended) The process of claim 14, wherein the solid ~~peroxide is selected~~
~~from the group consisting~~ impeller material comprises at least one of sodium peroxide,
potassium peroxide, and potassium superoxide ~~and combinations thereof.~~

16. (Currently Amended) The process of claim 15, wherein the solid ~~peroxide~~ impeller
material comprises potassium peroxide.

17. (Currently Amended) The process of claim 12, wherein the ~~one or more solvents are~~
~~selected from the group consisting~~ solvent comprises at least one of water, polar organic
alcohols, and polar organics, ~~and combinations thereof.~~

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18. (Currently Amended) The process of claim 17, wherein the ~~one or more solvents are selected from the group consisting~~ solvent comprises at least one of water, propylene glycol, ethanol, methanol, and isopropanol and combinations thereof.

19. (Currently Amended) The process of claim 18, wherein the ~~one or more solvents~~ solvent comprises water.

20. (Original) A power generation product produced by the process of claim 12.